



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,425	10/21/2003	Junkang J. Liu	55421US023	3831
32692	7590	03/24/2004		
3M INNOVATIVE PROPERTIES COMPANY			EXAMINER	
PO BOX 33427			BARR, MICHAEL E	
ST. PAUL, MN 55133-3427			ART UNIT	PAPER NUMBER
			1762	

DATE MAILED: 03/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/690,425	LIU ET AL.
	Examiner Michael Barr	Art Unit 1762

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 7-13 is/are allowed.
- 6) Claim(s) 1-6 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/25/03</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by WO 99/37720.

WO 99/37720 teaches providing an antisoiling hardcoat on an information display element, which protects the screen of the display, where a transparent substrate is coated with a ceramer coating comprising inorganic oxide particles and a polymerizable binder, then cured to form a durable (hard) coating, then atop this coating, an antisoiling coating comprising a perfluoropolyether is applied and cured, and then an adhesive coating is applied to the opposite surface of the substrate, wherein the perfluoropolyether material meets the requirements of Claims 3 and 6 (Pg. 1, lines 5-12; Pg. 5, lines 13-25; Pg. 6, lines 22-28; Pg. 7, line 16-Pg. 9, line 12; Pg. 10, line 20-Pg. 11, line 27). Although WO 99/37720 teaches applying an antireflective coating between the hard coat and the antisoiling layer, the claims are open to such interpretation. The claims do not exclude the application of another coating being applied between the hard coat and antisoiling layer. Therefore, WO 99/37720 anticipates Claims 1-6.

Allowable Subject Matter

3. Claims 7-13 are allowed.

4. The following is an examiner's statement of reasons for allowance: None of the prior art cited or reviewed by the examiner teaches or fairly suggests the claimed method of making the screen protectors by forming the coated substrate into stacked sheets and cutting the sheets to fit the display screen (Claim 7) or forming the roughened screen protector by applying the ceramer coating to the substrate by contacting the ceramer coating and substrate at a nip of a roller and the substrate (Claim 9). There is not suggestion in WO 99/37720 to stack the coated sheets and cut the stack to fit the display size or applying the ceramer coating at the nip of a roughened roller and the substrate. Therefore, it is the examiner's position that Claims 7-13 are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Murakami and Arney et al. are cited as prior art of interest.

Murakami teaches an antireflective plastic sheet to be applied to a portable display device.

Arney et al. teaches forming an antireflective coating on substrate by applying a ceramer coating comprising inorganic oxide particles and a polymerizable binder and then curing.

Art Unit: 1762

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Barr whose telephone number is 571-272-1414. The examiner can normally be reached on Monday-Thursday 6:00 am-3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive Beck can be reached on 571-272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Barr
Primary Examiner
Art Unit 1762

MB
March 9, 2004

A handwritten signature in black ink, appearing to read "Michael Barr", is positioned below the typed name and title.